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TITLE : PRIMER COMPOSITION AND METHOD FOR JOINTING CONCRETE OR MORTAR THEREWITH

ABSTRACT : PROBLEM TO BE SOLVED: To provide a primer composition which can greatly extend the time when jointing is possible after the application of the composition by compounding an epoxy resin with a polyamine curative in a specified equivalent ratio.

SOLUTION: One equivalent of an epoxy resin is compounded with 0.1-0.6 equivalent of a polyamine curative. This composition exhibits excellent jointing properties (adhesiveness, cohesive force after curing, durability) within a time when jointing is possible. The curative is preferably at least one compound selected from among aliphatic polyamines (e.g. diethylenetriamine), alicyclic polyamines (e.g. N-aminoethylpiperazine), aromatic polyamines (e.g. m-phenylenediamine), and their modifications (e.g. an epoxy adduct reaction product). A liquid or solid resin having, on average, at least two epoxy groups per molecule is preferable as the epoxy resin. If necessary, a tertiary amine, preferably in an amount of 0.1-5 wt.%, is added as a cure accelerator to the polyamine curative.

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